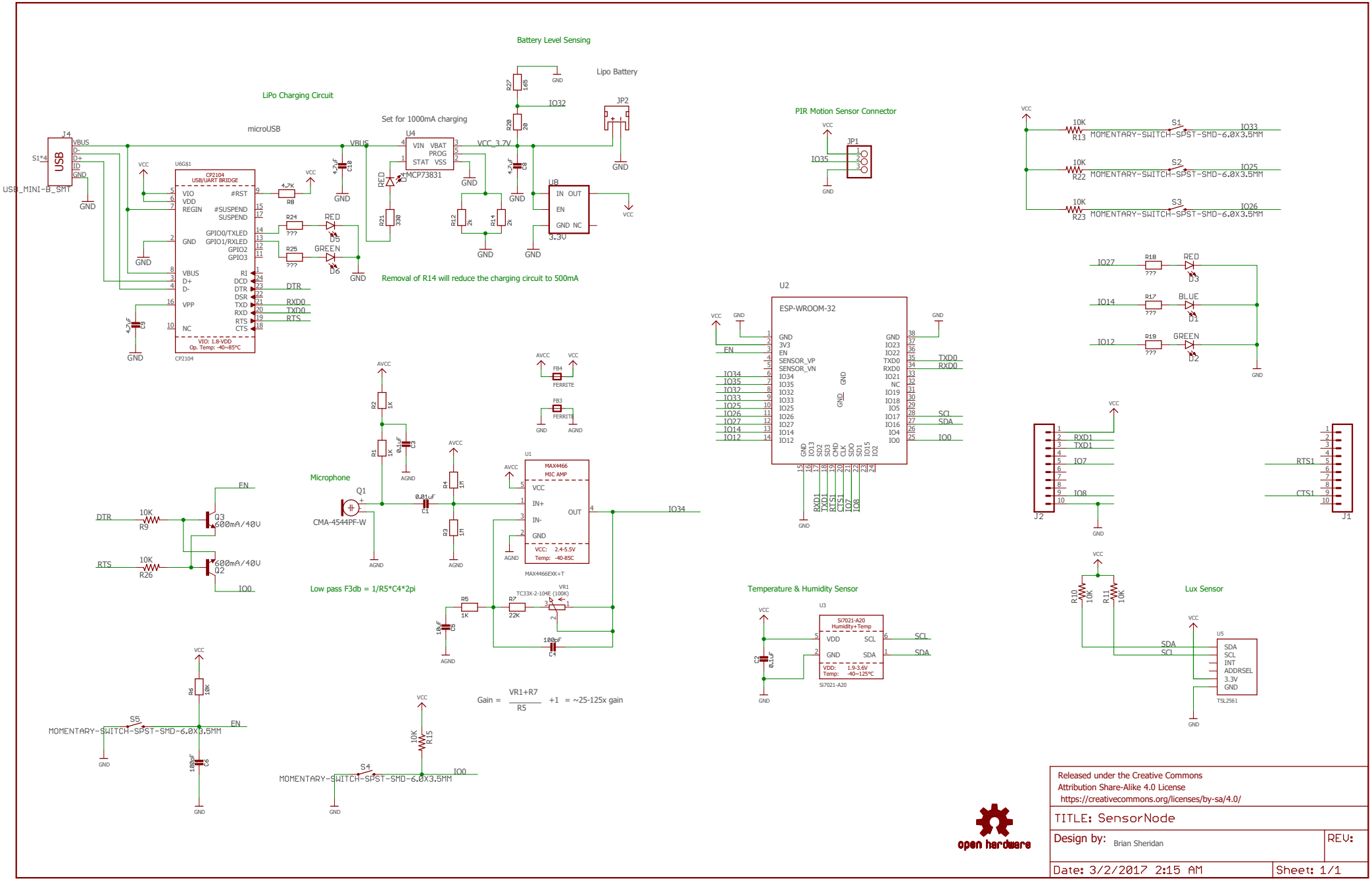
Battery Level Sensing
Lipo Battery
LiPo Charging Circuit
microUSB
Set for 1000mA charging
PIR Motion Sensor Connector
Removal of R14 will reduce the charging circuit to 500mA
Microphone
Low pass F3db = 1/R5*C4*2pi
Temperature & Humidity Sensor
Lux Sensor
Gain = (VR1+R7)/R5 +1 = ~25-125x gain
MOMENTARY-SWITCH-SPST-SMD-6.0X3.5MM
ESP-WROOM-32
CP2104 USB/UART BRIDGE
MCP73831
MAX4466 MIC AMP
CMA-4544PF-W
Si7021-A20 Humidity+Temp
TSL2561
open hardware
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TITLE: SensorNode
Design by: Brian Sheridan
REV:
Date: 3/2/2017 2:15 AM
Sheet: 1/1